

Monday, May 01, 2017 12:44:40 PM

Item ID: D350-689-021

Accept

N9000401 00

Setup Start *NS1*

Revision ID:

Stop ***NS2***

Item Name: Dual High-Back Seat Installation - Energy Attenuating Seat Compatible

Start Date: 5/2/2017 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 5/12/2017 **Req'd Qty:** 1.00 ***1***

Customer:

Reference: SCHEDULED/C

Approvals: Process Plan: 21 Date: MAY 01 2017 Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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IIN-D350-689

C

MAY 01 2017 DAS 6 9-85

100	Document Control	0.00
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100

Document Control
DOCUMENT CONTROL

DC

Memo	0.00
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Doc.Control -USB or Paperwork Photocopy bluefile and create labels per PPP D350-689-021 CHG006

DAS
28
9-89
MAY 18 2017

110	Pick Kit	0.00
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110

Pick Kit

Packaging	Memo	0.00
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Packaging

Memo

MAY 10 2017

120	QC4- 100% Inspect kits for completeness	0.00
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120

QC4- 100% Inspect kits for completeness

QC

Memo	0.03
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Quality Control

DAS
28
9-00
MAY 18 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
30 30 30		30 30 30		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Work Order ID 160543

Monday, May 01, 2017 12:44:40 PM

160543

Page 2

Item ID: D350-689-021 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Dual High-Back Seat Installation - Energy Attenuating Seat Compatible
Start Date: 5/2/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 5/12/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference: SCHEDULED/C

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging					DAS 27 9-89			
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-689-021 Location: _____ PPP Rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.10					DAS 21 9-89		MAY 26 2017
Quality Control									


MAY 26 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
OTHER : ☐									

Picklist Print

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Page 1

Work Order ID: 160543

160543

Parent Item: D350-689-021

D350-689-021

Parent Item Name: Dual High-Back Seat Installation - Energy Attenuating Seat Compatible

Start Date: 5/2/2017

Required Date: 5/12/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 08-12-23 new issue DD verified by: LL 08.12.24 IPP
Rev:B chg002 DD 10.02.12 verified by:JLM IPP Rev:C
chg004 DD 11.09.28 verified by:JLM IPP Rev:D 12.01.12
now @ CHG005 (ecn12-501) DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D350-689-023		Manufactured	No			110	Each	0.0000	1	1			
D350-689-023													
Floor Provisions Energy Attenuating Seat Compatible													
D350-689-043		Manufactured	No			110	Each	0.0000	1	1			
D350-689-043													
Dual High Back Seat Assembly- Energy Attenuating Seat Compatible													
D3018-1		Manufactured	No			110	Each	1.0000	1	1			
D3018-1													
Seat Cushion													
Ship to customer <i>50130632</i>													
MAY 10 2017													
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST415		1							
				156729		1							
D3019-1		Manufactured	No			110	Each	2.0000	1	1			
D3019-1													
Back Cushion													
Ship to customer <i>50130632</i>													
MAY 10 2017													
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST415		2							
				158096		2							

DAS
28
9-89

D4671-1 *4.5-15*
Ship to customer

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval			
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval			
Root Cause		FAULT CATEGORY									
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pré ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____									
Misidentified ☐	Past Due ☐										

Work Order ID 160543

160543

Page 1

Monday, May 01, 2017 12:44:40 PM

Item ID: D350-689-021

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Dual High-Back Seat Installation - Energy Attenuating Seat Compatible

Start Date: 5/2/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 5/12/2017 Req'd Qty: 1.00

1

Customer:

Reference: SCHEDULED/C

Run Start

NR1

Approvals: Process Plan:

Date: MAY 01 2017 Tooling:

Date:

Stop

NR2

QC:

Date: SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

IIN-D350-689

C

MAY 01 2017

DA: 6

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile and create labels per PPP D350-689-021 CHG006

CB

MAY 01 2017

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.03

Quality Control



Transport Canada Transports Canada

Department of Transport

Supplemental Type Certificate

This approval is issued to:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ONTARIO
K6A 1K7 CANADA

Number: SH02-33

Issue No.: 1

Approval Date: September 16, 2002

Issue Date: September 16, 2002

Responsible Office:

Ontario

Aircraft/Engine Type or Model:

EUROCOPTER AS 350B, AS 350B1, AS 350B2, AS 350B3,
AS 350BA, AS 350D, AS 350D1,
EUROCOPTER FRANCE AS 355E, AS 355F, AS 355F1,
AS 355F2

Canadian Type Certificate or Equivalent:

H-83, H-87

Description of Type Design Change:

Installation of Dual High Back Seat, Left Forward Position

Installation/Operating Data,
Required Equipment and Limitations:

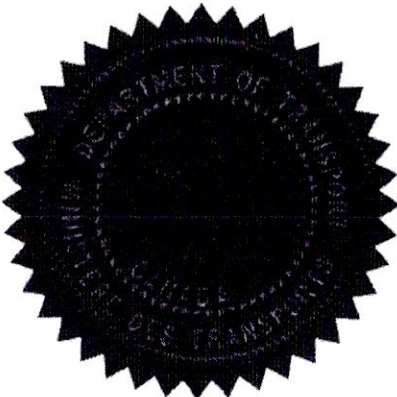
Installation in accordance with Dart Aerospace Limited Installation Instructions IIN-D350-689, rev A, dated 01.05.30, or later Transport Canada approved revision.

Required Equipment

Instructions for Continued Airworthiness ICA-D350-689, rev 0, dated 01.05.01, or later Transport Canada accepted revision.

Flight Manual Supplement FMS-D350-689, rev A, dated 01.06.06, or later Transport Canada approved revision.

-- END --



Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated will not adversely affect the airworthiness of the modified product.

T.E. Gretton

A/Regional Manager, Aircraft Certification
For Minister of Transport

Canada